

Appl. No. 10/061,727
 Amdt. dated October 20, 2005
 Resp. to Office Action dated April 22, 2005

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Original) An isolated polynucleotide comprising SEQ ID NO:1 wherein the nucleic acid at 1792 is A or C.

2. (Previously presented) An isolated polynucleotide comprising a nucleic acid that encodes a polypeptide comprising SEQ ID NO:2, wherein the amino acid 598 is Thr or Pro.

Claims 3 and 4 (Cancelled)

5. (Currently amended) An isolated polynucleotide comprising a molecule selected from the group consisting of:

- a) A polynucleotide that encodes a polypeptide comprising amino acid residues 384-687 of SEQ ID NO:2, wherein the amino acid at 598 is Thr or Pro;
- b) A polynucleotide that encodes a polypeptide comprising amino acid residues 379-687 of SEQ ID NO:2, wherein the amino acid at 598 is Thr or Pro;
- c) A polynucleotide that encodes a polypeptide comprising amino acid residues 449-687 of SEQ ID NO:2, wherein the amino acid at 598 is Pro or Thr;
- d) A polynucleotide that encodes a fragment of a polypeptide consisting of amino acid residues selected from the group consisting of residues 384-687 of SEQ ID NO:2, residues 379-687 of SEQ ID NO:2, and residues 449-687 of SEQ ID NO:2 described in (a-e), wherein
wherein the amino acid at 598 is Thr or Pro, and wherein the
fragment interacts with an IL-1R signal transduction factor;
- e) ~~An isolated nucleic acid molecule~~ A polynucleotide that hybridizes to either strand of a denatured, double-stranded DNA that encodes amino acid residues 449-687 of SEQ ID NO:2, under conditions of moderate stringency in 50% formamide and 6XSSC, at 42°C with washing conditions of 60°C, 0.5XSSC, 0.1% SDS; wherein the isolated ~~nucleic acid~~ polynucleotide encodes a polypeptide that interacts with an IL-1R signal transduction factor;
- f) ~~An isolated nucleic acid molecule~~ A polynucleotide that encodes an encoded a polypeptide that is at least 85% identical to the ~~a~~ polypeptides described in a), b), e); consisting of amino acid residues selected from the group consisting of residues 384-687 of SEQ ID NO:2, residues 379-687 of SEQ ID NO:2, and residues 449-687 of SEQ ID NO:2 wherein the amino acid at 598 is Thr or Pro, and wherein the encoded polypeptide interacts with an IL-1R signal transduction factor; and

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g) Apolynucleotide that is degenerate to any of the nucleic acids of a), b), c), e),
~~f) a)-f)~~.

6. (Original) An expression vector comprising a polynucleotide of claim 5.

7. (Original) An expression vector comprising a polynucleotide that encodes a polypeptide comprising SEQ ID NO:2, wherein the amino acid residue at 598 is Pro or Thr.

Claim 8 (Cancelled)

9. (Currently amended) ~~A~~ An isolated host cell comprising the vector of claim 6.

10. (Currently amended) A process of preparing a polypeptide encoded by a nucleic acid of claim 5, the process comprising culturing a host cell of claim 9 under conditions promoting expression of the polypeptide.

11. (Currently amended) A process ~~of for~~ preparing a polypeptide comprising SEQ ID NO:2, the process comprising culturing a host cell transformed with a vector of claim 7 under conditions promoting expression of the polypeptide.

Claims 12-14 (Cancelled)

15. (New) An isolated host cell comprising the vector of claim 7.